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# NASA Procedural Requirements

**COMPLIANCE IS MANDATORY**

**NPR 8910.1B**

Effective Date:  
October 07, 2009

Expiration Date:  
October 07, 2014

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Request Notification of Change

(NASA Only)

## Subject: Care and Use of Animals

**Responsible Office: Office of the Chief Health & Medical Officer**

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## Preface

NASA management is committed to using live animals in Agency-supported research, testing, teaching, and hardware development activities only when necessary. When animals are required, the Agency shall comply with all applicable laws, regulations, and guidelines. In addition, persons managing animal care and use programs shall ensure that the "NASA Principles for the Ethical Care and Use of Animals" (Appendix B) are incorporated in their programs.

### P.1 Purpose

This NPR delineates the responsibilities and implementing guidelines for the Agency's use of animals in research, testing, teaching, and hardware development activities, including such activities conducted in non-U.S. facilities and space flight vehicles.

### P.2 Applicability

This NPR applies to NASA Headquarters and NASA Centers, including Component Facilities, and to all activities involving animals funded by or sponsored by NASA or conducted in or on NASA facilities, aircraft, or spacecraft. Such activities include those conducted under a cooperative agreement or grant, contract, reimbursable agreement, or other arrangement or agreement entered into by NASA and another Government agency, private entity, non-Federal public entity, or foreign entity. This NPR does not apply to environmental monitoring activities that are covered by United States Fish and Wildlife

Service permits, livestock, or domesticated animals under non-NASA control that are permitted to be at NASA Centers or Facilities for other than research purposes (e.g.,

cattle leases and guide dogs), nor does it apply to animals used by NASA, contractors, or other agencies for law enforcement purposes.

### **P.3 Authority**

NPD 8910.1, Care and Use of Animals.

### **P.4 Applicable Documents**

- a. 7 U.S.C. 2131 et seq., the Animal Welfare Act of 1966, as amended.
- b. Public Law 99-158, Health Research Extension Act of 1985, "Animals in Research" (November 20, 1985).
- c. 9 CFR, Subchapter A, Parts 1, 2, 3, and 4, U.S. Department of Agriculture (USDA), Animal Welfare.
- d. 14 CFR, Part 1232, Care and Use of Animals in the Conduct of NASA Activities.
- e. U.S. Department of Health and Human Services, "Public Health Service Policy on Humane Care and Use of Laboratory Animals" (PHS Policy) (2002).
- f. National Research Council, "Guide for the Care and Use of Laboratory Animals" (Guide) (1996).
- g. United States Interagency Research Animal Committee, "U.S. Government Principles for the Utilization and Care of Vertebrate Animals Used in Testing, Research, and Training" (1985).
- h. Policy and Guidelines for the Use and Care of Animals in Space-borne Research, in Committee on Space Research (COSPAR) Information Bulletin: Space Research Today, Number 169, August 2007.
- i. Council for International Organizations of Medical Sciences, "International Guiding Principles for Biomedical Research Involving Animals" (1985).
- j. NPD 1440.6, NASA Records Management.
- k. NPR 1441.1, NASA Records Retention Schedules.
- l. NPD 8910.1B, Care and Use of Animals.
- m. Institutional Animal Care and Use Committee Guidebook, 2nd Edition, 2002, DHHS, NIH, Office of Laboratory Animal Welfare; Applied Research Ethics National Association.
- n. Occupational Health and Safety in the Care and Use of Research Animals, 1997, National Academy of Sciences Institute for Laboratory Animal Research.

### **P.5 Measurement/Verification**

Adherence to this NPR will be measured through strict tracking of requirements outlined herein and detailed in NASA NPD 8910.1B, Care and Use of Animals. In general terms, for all NASA-sponsored research involving animals, the requirements will include verification of accreditation and certifications, regular monitoring of research activities

and sanctions imposed, and corrective actions taken.

## P.6 Cancellation

NPR 8910.1A, Care and Use of Animals, dated March 15, 2004.

/s/

Richard S. Williams

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